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HOGAN & HARTSON  
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April 7, 2003

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Via Hand Delivery

Ms. Marlene H. Dortch, Secretary  
Federal Communications Commission  
445 Twelfth Street, S.W.  
Washington, D.C. 20554

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APR - 7 2003

FEDERAL COMMUNICATIONS COMMISSION  
OFFICE OF THE SECRETARY

**RE: WT Docket No. 02-86**

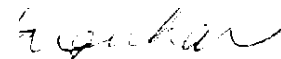
Dear Ms. Dortch:

This is to inform you that AirCell, Inc. ("AirCell") made two exparte presentations on April 4, 2003 with respect to the above-referenced proceeding. Bill Gordon, AirCell's Vice-President-Federal Regulatory, and I met separately with Paul Margie, advisor to Commissioner Copps, and Barry Ohlson, advisor to Commissioner Adelstein.

The presentations discussed the points set forth in the attached slides, including background on the AirCell system, the growing demand for new safety and consumer wireless technology on commercial airlines, and the need for Commission action on AirCell's pending Petition for Extension of Waiver to meet this demand.

Pursuant to Section 1.1206(b)(1) of the Commission's rules, I am filing one original and two copies of this notice. In addition, I am sending one copy of this notice to both Mr. Margie and Mr. Ohlson. Please contact me directly with any additional questions.

Respectfully submitted,



Michele C. Farquhar  
Counsel to AirCell, Inc.

MF/sdf  
Attachment  
cc: Paul Margie  
Barry Ohlson



CERTIFICATE OF SERVICE

I, Shirley Friend, do hereby certify that the foregoing Notice of Ex Parte Presentations was served on this 7<sup>th</sup> day of **April**, 2003, by hand delivery and first-class U.S. mail on:

Ms. Marlene H. Dortch, Secretary\*  
Federal Communications Commission  
**445** Twelfth Street, S.W.  
Washington, DC 200554

Paul Margie\*  
Advisor to Commissioner Copps  
Federal Communications Commission  
445 Twelfth Street, S.W.  
Washington, DC 200554

Barry Ohlson\*  
Advisor to Commissioner Adelstein  
Federal Communications Commission  
445 Twelfth Street, S.W.  
Washington, DC 200554

David Furth\*  
Associate Bureau Chief  
Wireless Telecommunications Bureau  
Federal Communications Commission  
445 Twelfth Street, S.W.  
Washington, DC **200554**

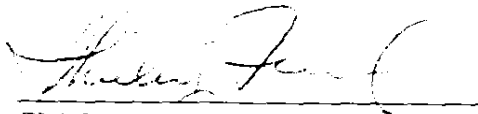
William W. Kunze\*  
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Shirley Friend

\* denotes hand delivery



# **Aircraft Communications Systems**

**Presentation for the FCC**  
**April 4, 2003**

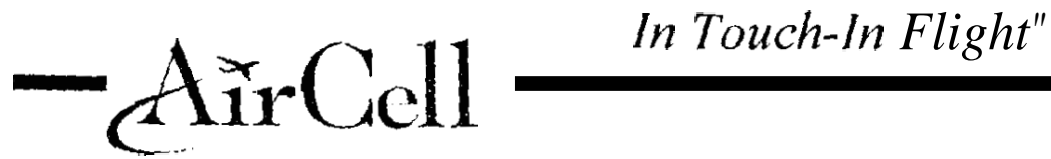


*In Touch-In Fli*

## AirCell Milestones

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- 1991 AirCell formed.
- 1993 Technology affirmed by General Electric R&D
- 1995 FCC granted Experimental Authority
- 1996 Technology Development Completed
- 1997 Major testing and FCC regulatory filings
- 1998 FCC granted full commercial authority on Dec 24, 1998
- 1999 AirCell doubled network from 35 to 70 sites
- 2000 AirCell entered full commercial operation, adding 45 sites
- 2001 Added more sites & numerous network upgrades
- 2002 Network completed with 134 sites in operation
- 2002 Installed base reaches 1,200 aircraft systems
- 2002 AirCell became an Iridium Service Provider
- 2002 Developed, manufactured and deployed airborne Iridium transceivers
- 2003 First airline customers - Frontier Airlines (Trial) & Indigo (Fleet)



## What We Do

- **Only Cellular Network for Aviation**
  - FCC/FAA authorized
    - "Thicket" of patents
  
- **Make, Market and Support Airborne Telecom Systems for:**
  - Business Aviation
  - TSA/Federal Air Marshals
  - Airlines
  - U. S. (Aircell) and global (Iridium) coverage

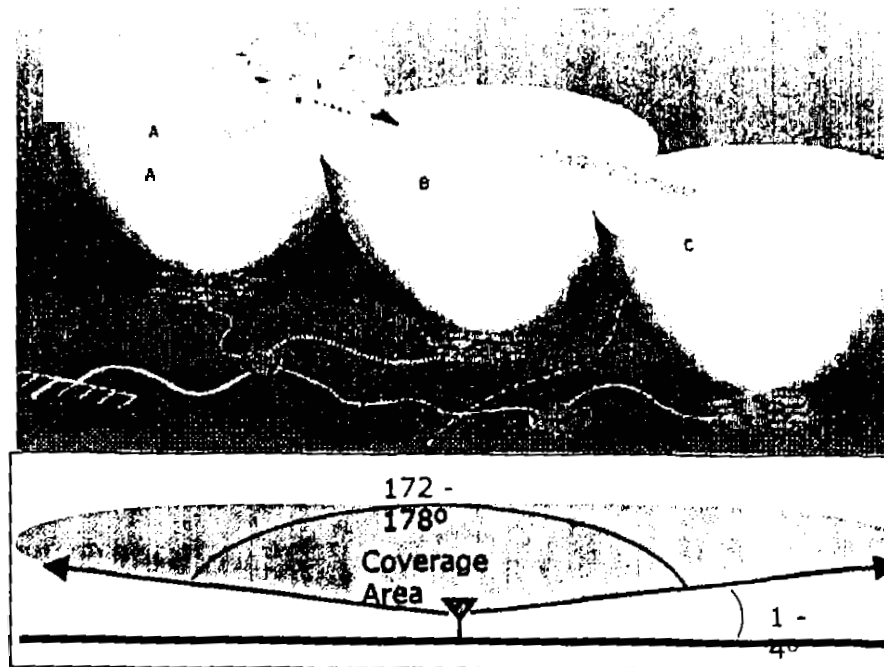
## Leverages Existing Cellular Infrastructure

- **Lower CapEx**

**Lower Operating Cost**

- **All Features of Ground System...in Flight**

- **Benefits from \$Billions Invested in R&D**



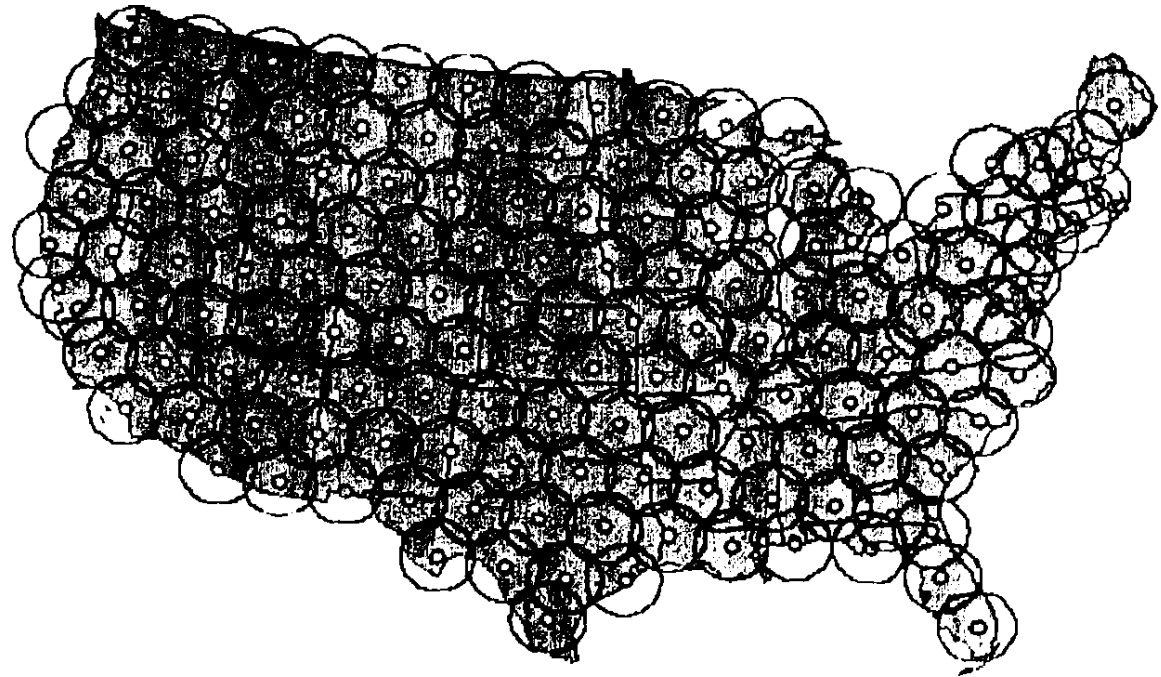
135 Sites 165 Miles Apart



*In Touch-In Flight"*

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- **134 Sites**
- **165mi. Site-to-Site**
- **Typically Rural Sites**
- **Existing Licensed Providers**
- **Proprietary AirCell Antennas**
- **Conventional Site Electronics**







*In Touch-In Flight<sup>(R)</sup>*

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- **Status of Original Waiver and related proceedings**
- **AirCell Petition for Renewal and Extension of Waiver**
- **Other FCC efforts**